

Applicant(s): Pacifico et al.
Serial No.: Unassigned 10/776,035
(Divisional of Serial No. 09/996,636)
Filed: Herewith
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AMENDMENT TO CLAIMS

Please cancel Claims 1-~~34~~²⁰

Please add Claims ~~35-62~~²¹⁻⁴⁸

²¹
Claim ~~35~~ (New): An encapsulated sensitive substance comprising:

- (a) a sensitive substance; and
- (b) an encapsulant material which has been melted and coated onto said sensitive substance.

²²
Claim ~~36~~ (New): An encapsulated sensitive substance according to claim ~~35~~²¹, wherein
said sensitive substance is a volatile liquid material with a boiling point
between about 40°F and about 250°F.

²³
Claim ~~37~~ (New): An encapsulated sensitive substance according to claim ~~35~~²¹, wherein said
sensitive substance is a volatile liquid material selected from the group consisting of a flavor
compound, aroma, fragrance, vitamin, nutrient, alcohol, acetone, ketone, aldehyde, organic
acid, antioxidant, and oil.

²⁴
Claim ~~38~~ (New): An encapsulated sensitive substance according to claim ~~37~~²³, wherein said
nutrient is selected from the group consisting of omega 3 oil, carotenoid, vitamin A and
vitamin E.

²⁵
Claim ~~39~~ (New): An encapsulated sensitive substance according to claim ~~37~~²³, wherein said
volatile liquid material is selected from the group consisting of lemon oil, spearmint oil,
vanilla extract, garlic oil, and cinnamon.

²⁶
Claim ~~40~~ (New): An encapsulated sensitive substance according to claim ~~35~~²¹, wherein said
sensitive substance is a biologically active compound.

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²⁷
Claim ~~41~~ (New): ²⁶ An encapsulated sensitive substance according to claim ~~40~~, wherein said biologically active compound is selected from the group consisting of *Lactobacilli*, *Bifidobacterium*, *Enterococci*, phytase, amylases, lipases, invertases, transglutaminases, proteases, lipoxxygenases and pentosanases.

²⁸
Claim ~~42~~ (New): ²¹ An encapsulated sensitive substance according to claim ~~35~~, wherein said encapsulant material a lipid material.

²⁹
Claim ~~43~~ (New): ²⁸ An encapsulated sensitive substance according to claim ~~42~~, wherein said lipid material has a melting point between about 60 °F and about 200 °F.

³⁰
Claim ~~44~~ (New): ²⁸ An encapsulated sensitive substance according to claim ~~42~~, wherein said lipid material is selected from the group consisting of mono-, di-, and triacylglycerols; waxes; and organic esters.

³¹
Claim ~~45~~ (New): ²⁸ An encapsulated sensitive substance according to claim ~~42~~, wherein said lipid material is selected from the group consisting of soy bean oil, cotton seed oil, canola oil, carnauba wax, beeswax, bran wax, tallow and palm kernel oil.

³²
Claim ~~46~~ (New): ²¹ An encapsulated sensitive substance according to claim ~~35~~, wherein said encapsulant material is present in an amount of about 10 to about 90% by weight of said encapsulated sensitive substance.

³³
Claim ~~47~~ (New): An encapsulated sensitive substance comprising: (a) a plated material comprising a sensitive substance plated onto a solid carrier; and (b) an encapsulant material.

³⁴
Claim ~~48~~ (New): ³³ An encapsulated sensitive substance according to claim ~~47~~, wherein said sensitive substance is a volatile liquid material with a boiling point between about 40 °F and about 250 °F.

³⁵
Claim ~~49~~ (New): ³⁴ An encapsulated sensitive substance according to claim ~~48~~, wherein said

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sensitive substance is a volatile liquid material selected from the group consisting of a flavor compound, aroma, fragrance, vitamin, nutrient, alcohol, acetone, ketone, aldehyde, organic acid, antioxidant, and oil.

36 35
Claim ~~50~~ (New): An encapsulated sensitive substance according to claim ~~49~~, wherein said nutrient is selected from the group consisting of omega 3 oil, carotenoid, vitamin A and vitamin E.

37 35
Claim ~~51~~ (New): An encapsulated sensitive substance according to claim ~~49~~, wherein said volatile liquid material is selected from the group consisting of lemon oil, spearmint oil, vanilla extract, garlic oil, and cinnamon.

38 34
Claim ~~52~~ (New): An encapsulated sensitive substance according to claim ~~48~~, wherein said sensitive substance is a biologically active compound.

39 38
Claim ~~53~~ (New): An encapsulated sensitive substance according to claim ~~52~~, wherein said biologically active compound is selected from the group consisting of *Lactobacilli*, *Bifidobacterium*, *Enterococci*, phytase, amylases, lipases, invertases, transglutaminases, proteases, lipoxigenases and pentosanases.

40 33
Claim ~~54~~ (New): An encapsulated sensitive substance according to claim ~~47~~, wherein said solid carrier is selected from the group consisting of maltodextrin, dextrans, silicon dioxide, starches, gums and hydrocolloids.

41 33
Claim ~~55~~ (New): An encapsulated sensitive substance according to claim ~~47~~, wherein the particle size of said solid carrier is between about 50 microns and about 2,000 microns.

42 33
Claim ~~56~~ (New): An encapsulated sensitive substance according to claim ~~47~~, wherein said encapsulant material a lipid material.

43 42
Claim ~~57~~ (New): An encapsulated sensitive substance according to claim ~~56~~, wherein said lipid material has a melting point between about 60 °F and about 200 °F.

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44
Claim ~~58~~ (New): An encapsulated sensitive substance according to claim ~~56~~⁴², wherein said lipid material is selected from the group consisting of mono-, di-, and triacylglycerols; waxes; and organic esters.

45
Claim ~~59~~ (New): An encapsulated sensitive substance according to claim ~~56~~⁴², wherein said lipid material is selected from the group consisting of soy bean oil, cotton seed oil, canola oil, carnauba wax, beeswax, bran wax, tallow and palm kernel oil.

46
Claim ~~60~~ (New): An encapsulated sensitive substance according to claim ~~47~~³³, wherein said encapsulant material is present in an amount of about 10 to about 90% by weight of said encapsulated sensitive substance.

47
Claim ~~61~~ (New): An encapsulated sensitive substance, prepared according to a method comprising:

introducing a sensitive substance into an encapsulation vessel, wherein the atmosphere in the encapsulation vessel is inert to the sensitive substance; and
encapsulating the sensitive substance.

48
Claim ~~62~~ (New): An encapsulated sensitive substance, prepared according to a method comprising:

plating the sensitive substance onto a solid carrier, in an atmosphere inert to the sensitive substance, to form a plated material; and
encapsulating the plated material.